

II. WASTEWATER CHARACTERIZATION, TREATMENT, and DISPOSAL

A. DESCRIPTION OF INDUSTRIAL ACTIVITY (see instructions)

1. Nature of Business - Provide a brief description of the facility's operations.

2. Change in Operations

a. Since the issuance of your current WPDES permit, have any changes in the operations of the facility or modifications of the facility's wastewater treatment system affected either the quantity or quality of the discharges from the facility?

- ☐ No (continue to b)
☐ Yes If yes, attach a brief summary of the changes and modifications, and continue to b.

b. In the next five years, do you intend to expand or change the operations of the facility or modify the facility's wastewater treatment system to an extent that the quantity or quality of the discharge will be affected?

- ☐ No (continue to 3)
☐ Yes If yes, attach a brief summary of the planned changes.

3. Days of Operation _____ Hours per Day, _____ Days per Week, and _____ Months per Year

4. Number of Employees Normal _____, and Maximum _____

5. Sanitary Wastes - Where are sanitary wastes (wastewaters from lavatories, washrooms, lunch/break room sinks, showers, etc.) discharged?

- ☐ In a septic tank system and/or subsurface absorption system
☐ In a privately owned treatment system owned by you or others. Identify others: _____
☐ In a publicly owned treatment system operated by _____
☐ Other (specify) _____

6. Water Supply - What are the facility's sources of water?

	<u>Name of Source</u>	<u>Average Volume or Flow Rate</u> <u>(include units)</u>
Municipal Supply	_____	_____
Surface Water Intake	_____	_____
Private Well	_____	_____
Other (specify)	_____	_____
Other (specify)	_____	_____

7. Flow Diagram - Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls.

INSTRUCTIONS

➤ WASTEWATER CHARACTERIZATION, TREATMENT AND DISPOSAL (Part II)

Section A. Description of Industrial Activity

Item 1. Item 1. Nature of Business - Provide a brief description of services provided or products produced at the facility. Include information on production rates, raw materials and processes.

Item 2. Change in Operations - Examples of operational changes that could affect discharge quality and/or quantity include increasing production, producing a new product or changing the product or manufacturing process. Examples of treatment system modifications that could affect discharge quality are the addition or deletion of physical, chemical and biological treatment units including sludge treatment processes (for example, flocculation, sedimentation, biological oxidation (e.g., activated sludge), chlorination and dechlorination, filtration, carbon adsorption, heat treatment, etc.).

If changes have occurred or will occur, describe on a separate sheet of paper the changes and indicate how the quantity and/or quality of the facility's discharge has been affected or is anticipated to be affected.

Item 3. Days of Operation - Indicate the facility's normal periods of operating in hours per day, days per week and months per year.

Item 4. Number of Employees - Indicate the normal (average) and maximum number of people employed at the facility.

Item 5. Sanitary Wastes - Indicate how sanitary wastes, i.e., wastes and wastewaters from lavatories, washrooms, lunch/break room sinks, showers, etc., that are generated at the facility are disposed.

Item 6. Water Supply - Indicate the sources of the facility's water supply and provide the average (e.g., over a typical year) volume or flow rate of intake water from each source. Acceptable units are gallons per day and million gallons per day.

Item 7. Flow Diagram -The line drawing should show generally the route taken by water in your facility from intake to discharge. Show all operations contributing wastewater including process and production areas, sanitary flows, cooling water and storm water runoff. You may group similar operations in a single unit. The water balance should show average flows. Show all significant losses of water to products, atmosphere and discharge. Use actual measurements whenever available; otherwise use your best estimate.

Item 8. Alternative Phosphorus Effluent Limitation - All facilities that discharge more than 60 pounds of phosphorus per month to a surface water will receive a technology-based effluent limitation of 1 mg/L total phosphorus. If you wish to request an alternative phosphorus limit, or have an alternative phosphorus limit in the facility's current permit and wish to retain it or modify it in the reissued permit, you must demonstrate that the 1 mg/L phosphorus effluent standard is not achievable and provide information that is necessary for the Department to establish an alternative phosphorus limit as part of this reissuance application. Use the Alternative Phosphorus Effluent Limitation Information Request form discussed in the Contents of Your Application part of these instructions. This application supplement is available on the Department's web site or you may contact the permit drafter identified in the cover letter that accompanied this application.